AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A portable foam generator to be carried by a person for applying a fluid foam pesticide, comprising:

an airtight reservoir for containing a foamable liquid pesticide; the reservoir having an upper end, a lower end, and a foamable liquid pesticide maximum fill line intermediate the upper end and the lower end of the reservoir;

a pressurizing means, other than a hand-operated air pump, for introducing pressurized air into the reservoir; the air pressurizing means comprising a source of pressured air connected to the reservoir through an air inlet tube that, in service, maintains an air pressure within the reservoir of at least 35 psi gauge; the air inlet tube of the pressurizing means discharging the pressurized air into the reservoir below the foamable liquid pesticide maximum fill line and including a check valve to prevent the foamable liquid pesticide from flowing back into a pressurized air outlet of the air inlet tube;

a discharge tube for foaming the foamable liquid pesticide and discharging fluid foam pesticide made from the foamable liquid pesticide from the reservoir; the discharge tube being flexible and weighted adjacent an inlet opening at the bottom end of the discharge tube so that in use the discharge tube continues to be immersed within the foamable liquid pesticide within the reservoir when the reservoir of the portable foam generator is tilted; the discharge tube having venturi opening means above the foamabl liquid pesticide maximum fill line for introducing pressurized air within the reservoir into the discharge tube to mix with the foamable liquid pesticide, as the foamable liquid pesticide passes through the discharge tube, to form the fluid foam pesticide that is discharged from the reservoir by the pressurized air through the discharge tube; the total cross sectional area of the venturi opening means in the discharge tube being between 0.01% and 50% of the total transverse cross sectional area of the tubular passage in the discharge tube; and

a hand-held foam dispensing means connected to the discharge tube for controlling the discharge of and dispensing of the fluid foam pesticide delivered from the discharge tube.

Claim 2 (currently amended): The portable foam generator according to claim 1, wherein:

the ~~venture~~ venturi opening means comprises a single venturi opening in the discharge tube.

Claim 3 (currently amended): The portable foam generator according to claim 1, wherein:

the ~~venture~~ venturi opening means comprises a plurality of venturi openings in the discharge tube.

Claim 4 (currently amended) The portable foam generator according to claim 1, wherein:

the ~~venture~~ venturi opening means comprises two diametrically opposed and aligned venturi openings in the discharge tube.

Claims 5 and 6 (canceled)

Claim 7 (original) The portable foam generator according to claim 1, wherein:

the hand-held foam dispensing means is mounted directly on the reservoir so that in use the reservoir is carried with the hand-held foam dispensing means.

Claims 8 and 9 (canceled)

Claim 10 (original): The portable foam generator according to claim 1, wherein:

the reservoir is mounted in a harness to be carried on a person's back; and the hand-held foam dispensing means is connected to the reservoir through a fluid foam delivery line.

Claim 11 (currently amended): The portable foam generator according to claim 1, wherein:

the hand-held foam dispensing means includes a foam expansion chamber for further mixing of air in the fluid foam pesticide delivered from the discharge tube with the fluid foam pesticide delivered from the discharge tube to effect an increase in a volumetric expansion of the fluid foam pesticide.

Claim 12 (currently amended): The portable foam generator according to claim 11, wherein:

the foam expansion chamber has an interior transverse cross section; the expansion chamber has a fluid foam inlet tube for introducing the fluid foam pesticide from the reservoir into the foam expansion chamber; the fluid foam inlet tube has a smaller outer transverse cross section than the interior transverse cross section of the expansion chamber; a portion of the fluid foam inlet tube within the foam expansion chamber has at least one venturi opening in a tubular sidewall of the fluid foam inlet tube whereby as the fluid foam pesticide passes from the reservoir into the expansion chamber through the fluid foam inlet tube a portion of the fluid foam pesticide within the foam expansion chamber is drawn back into the fluid foam inlet tube to further agitate the fluid foam pesticide and further increase the volumetric expansion of ~~foam~~ the fluid foam pesticide dispensed.

Claims 13 to 22 (withdrawn)